

Remote Sensing Training for Disaster Management

In person and online trainings focus on accessing, interpreting, and processing NASA Earth Observation data for disaster management. The trainings are aimed at facilitating disaster monitoring, preparedness, and relief activities by using remote sensing observations. Topics include extreme rainfall, drought, floods, landslides, hurricanes, storm surge, earthquakes, and oil slicks.

Any Introductory and Advanced Series can be taken dependent upon topic and interest.

Introductory

Overview of the Global Disaster Alert and Coordination System (GDACS)

Introduction to Global Precipitation Measurement (GPM) Data and Applications

Introduction to Remote Sensing for Wildfire Applications

Using NASA Remote Sensing for Disaster Management

NASA Remote Sensing Observations for Flood Management

Introduction to Synthetic Aperture Radar

Monitoring Tropical Storms for Emergency Preparedness

Monitoring Urban Floods Using Remote Sensing

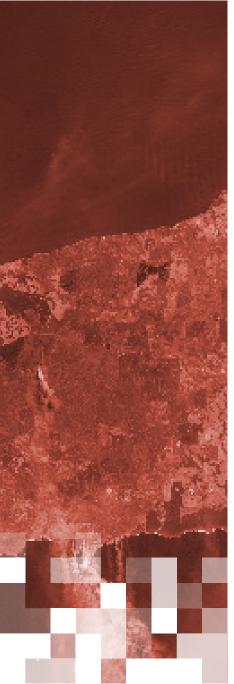
Earth Observations for Disaster Risk Assessment & Resilience

Remote Sensing for Disasters Scenarios

Satellite Remote Sensing for Urban Heat Islands

Introduction to NASA's "Black Marble" Night Lights Data





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Introductory (contd.)

Introduction to Population Grids and Their Integration with Remote Sensing Data for Sustainable Development and Disaster Management

Intermediate

<u>Use of Solar Induced Fluorescence and LIDAR to Assess Vegetation Change and Vulnerability</u>

Satellite Observations for Analyzing Natural Hazards on Small Island Nations

Advanced

Advanced Webinar: Using NASA Remote Sensing for Flood Monitoring and Management

Advanced Webinar: Remote Sensing of Drought

Advanced Webinar: Radar Remote Sensing for Land, Water, & Disaster Applications

Advanced Webinar: SAR for Landcover Applications

Advanced Webinar: SAR for Disasters and Hydrological Applications

